BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the Work : Improvements to Roads,Drains,Footpath and Park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)

BYATARAYANAPURA DIVISION

TOTAL ABSTRACT

4th PART BILL

Bruhat Bengaluru Mahanagara Palike							
BYATARAYANAPURA DIVISION							
TOTAL ABSTRACT							
Name Of work : - Improvements to Roads,drains,footpath and park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)							
Job Code :- 008-17-000035, 008-17-000036, 008-17-000037, 008-17-000038, 008-17-000039, 008-17-000040, 008-17-000041, 008-17-000042, 008-17-000043, 008-17-000044, 008-17-000045, 25347							
Name of Agency :- M/s Karthik Enterprises							
Bill No :- 4th and Part Bill							
Measurements recorded on							
BOQ Item	**Description**	**Unit**		**Qty**	**Rate**	**Amount**	**Remarks**
1	**KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (P.No.137, I.No.18.20 of PW,P&IWTD SR 2016-17)**						
	Kodigehalli AK colony 1st Cross Road			25.03			
	Present Qty			25.03			
	Preveous Qty			33.20			
	Total			**58.23**			
	BOQ qty			**73.60**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Cum		**25.03**	**488.86**	**12233.72**	
2	**Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)**						
	Hanumayya Layout			603.50			
	Present Qty			603.50			
	Preveous Qty			**6171.19**			
	Total			**6774.69**			
	BOQ qty			**10125.29**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Sqm		**603.50**	**84.48**	**50983.68**	
3	**Removing & Resetting of Footbath slab**						
	Hanumayya Layout 5th Main			272.70			
	Present Qty			272.70			
	Preveous Qty			1358.61			
	Total			**1631.31**			
	BOQ qty			**2231.91**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Sqm		**272.70**	**138.94**	**37888.94**	

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

4	**KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			975.47			
	Present Qty			975.47			
	Preveous Qty			**5260.73**			
	Total			**6236.20**			
	BOQ qty			**16048.83**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Cum		**975.47**	**202.30**	**197336.67**	
5	**KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			55.39			
	Present Qty			55.39			
	Preveous Qty			333.20			
	Total			**388.59**			
	BOQ qty			**842.36**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Cum		**55.39**	**5608.71**	**310666.45**	
6	**Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.265, I.No.37.59.2 of PW, P&IWTD SR 2016-17**						
	Hanumayya Layout and AK colony Cross Roads			135.29			
	Present Qty			135.29			
	Preveous Qty			638.70			
	Total			773.99			
	BOQ qty			**1600.67**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Cum		**135.29**	**11568.66**	**1565124.01**	

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Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

10	**KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**					
	Hanumayya Layout and AK colony Cross Roads			7.69		
	Present Qty			7.69		
	Preveous Qty			39.68		
	Total			**47.37**		
	BOQ qty			**89.33**		
	Qty upto 125%					
	Qty Beyond 125%					
	TOTAL	MT		**7.69**	**62300.47**	**479001.42**
11	**Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)**					
	Hanumayya Layout and AK colony Cross Roads			150.80		
	Present Qty			150.80		
	Preveous Qty			**1706.01**		
	Total			**1856.81**		
	BOQ qty			**3672.20**		
	Qty upto 125%					
	Qty Beyond 125%					
	TOTAL	Sqm		**150.80**	**867.87**	**130874.80**
14	**KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)**					
	Hanumayya Layout and AK colony Cross Roads			15.55		
	Present Qty			15.55		
	Preveous Qty			90.68		
	Total			**106.24**		
	BOQ qty			**181.27**		
	Qty upto 125%					
	Qty Beyond 125%					
	TOTAL	**Cum**		**15.55**	**4653.92**	**72377.76**

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

16	**KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			22.80			
	Present Qty			22.80			
	Preveous Qty			237.27			
	Total			**260.07**			
	BOQ qty			**421.25**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Sqm**		**22.80**	**107.82**	**2458.30**	
17	**KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			12.66			
	Present Qty			12.66			
	Preveous Qty			50.85			
	Total			**63.51**			
	BOQ qty			**124.71**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Cum**		**12.66**	**6047.76**	**76591.86**	
20	**Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)**						
	Hanumayya Layout and AK colony Cross Roads			300.42			
	Present Qty			**300.42**			
	Preveous Qty			1563.15			
	Total			**1863.57**			
	BOQ qty			**4131.99**			
	Qty upto 125%			**600.84**			
	Qty Beyond 125%						
	TOTAL	**Sqm**		**300.42**	**1780.52**	**534903.82**	

For KARTHIK ENTERPRISES

Authorised Signatory

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

21	**Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)**						
	Hanumayya Layout and AK colony Cross Roads			167.70			
	Present Qty			**167.70**			
	Preveous Qty			224.55			
	Total			**392.25**			
	BOQ qty			**564.90**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Sqm**		**167.70**	**4995.53**	**837750.38**	
25	**KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			35.58			
	Present Qty			**35.58**			
	Preveous Qty			1388.69			
	Total			**1424.26**			
	BOQ qty			**2389.63**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	**Cum**		**35.58**	**162.28**	**5773.11**	
26	**KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			48.13			
	Present Qty			**48.13**			
	Preveous Qty			1087.12			
	Total			**1135.24**			
	BOQ qty			**1375.36**			
	Qty upto 125%						
	Qty Beyond 125%						
	TOTAL	Cum		**48.13**	**1854.01**	**89224.23**	

For KARTHIK ENTERPRISES

Authorised Signatory

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

27	**KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			50.20			
	Present Qty			**50.20**			
	Preveous Qty			4421.85			
	Total			**4472.05**			
	BOQ qty			**5510.44**			
	TOTAL	Sqm		**50.20**	**28.90**	**1450.78**	
28	**KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			3493.14			
	Present Qty			**3493.14**			
	Preveous Qty			26813.90			
	Total			**30307.04**			
	BOQ qty			**51151.79**			
	TOTAL	Sqm		**3493.14**	**3.33**	**11632.14**	
29	**KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			4550.74			
	Present Qty			**4550.74**			
	Preveous Qty			46152.41			
	Total			**50703.15**			
	BOQ qty			**79163.61**			
	TOTAL	Sqm		**4550.74**	**12.23**	**55655.49**	

For KARTHIK ENTERPRISES

Authorised Signatory

Consultant

Assistant Engineer

Assistant Executive Engineer

Kodigenahalli Sub Divisio
Yelahanka Zone, B.B.M
Bangalore.

30	**KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 (P.No.163 I.No. 21.17.6 of PW,P&IWTD S.R 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			43.50			
	Present Qty			**43.50**			
	Preveous Qty			755.58			
	Total			**799.08**			
	BOQ qty			**1234.01**			
	TOTAL	Cum		**43.50**	**6748.01**	**293538.44**	
31	**KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			144.72			
	Present Qty			**144.72**			
	Preveous Qty			1249.43			
	Total			**1394.15**			
	BOQ qty			**2297.71**			
	TOTAL	Cum		**144.72**	**7623.89**	**1103341.56**	
32	**KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)**						
	Hanumayya Layout and AK colony Cross Roads			~~121.35~~	40.41 m²		
	Present Qty			~~121.35~~	40.41 m²		
	Preveous Qty			1029.13			
	Total			1150.48			

For KARTHIK ENTERPRISES

Consultant

Authorised Signatory

Assistant Engineer

W08

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

	BOQ qty			2694.58		23020.00	
	TOTAL	Sqm		121.35 / 40.41	569.10	69060.29	
	GRAND TOTAL IN Rs.					5937867.83 / 5891867.00	

For KARTHIK ENTERPRISES

Authorised Signatory

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.